



AIR QUALITY PERMIT

Permit Number: 040136

Issue Date: February 2, 2005

Renewal Date: February 28, 2010

Permittee Name: HICKMANS EGG RANCH INC

Mailing Address 7403 N 91ST AVE GLENDALE, AZ 85305

Business Name: HICKMANS EGG RANCH

Facility Address: HASSAYAMPA DR ARLINGTON, AZ 85343

Equipment Covered: See attached list

This Permit is issued in accordance with Maricopa County Air Pollution (MCAP) Control Regulations, Rule 200, §303, and Arizona Revised Statutes, §49-404c and §49-480.

The attached Permit Conditions are incorporated into and form an integral part of this Permit.

If the MCAP Control Officer determines that additional monitoring, sampling, modeling and/or control of emissions from the facility may reasonably be needed to provide for the continued protection of public health, safety and/or welfare, the MCAP Control Officer will amend the provisions of this Permit.

This Permit may be subject to suspension or revocation for cause including nonpayment of fees, noncompliance with Arizona State Statutes, Maricopa County Air Pollution Control Regulations, or the attached Permit Conditions, or if the MCAP Control Officer determines that significant misrepresentation exists in the application and supporting documentation filed to obtain or modify this Permit.

A handwritten signature in black ink, appearing to read "Joy Rich", is written over a horizontal line.

Joy Rich, Director
Maricopa County Air Pollution Control Officer

PERMIT CONDITIONS

HICKMANS EGG RANCH

Permit Number 040136

Date Issued: 2/2/05

Revision:

Revision Date:

The numerical section references in this Permit are based on Maricopa County Air Pollution Control Rules and Regulations (Rules) in effect on the date of issuance of these Permit Conditions. In the event that these Rules are revised to change the content and numerical references during the term of this Permit, the revised Rules and numbering system will apply to this permit.

GENERAL CONDITIONS:

1. Certification:

Any document which is required to be submitted by this Permit or the Rules shall contain certification by a responsible official of truth, accuracy and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

[Rule 100, §200.95; Rule 220, §301.5 and §302.14]

2. Confidentiality Claims:

Except as provided for in Rule 100, any records, reports, or information obtained from the Permittee pursuant to the County Rules or this Permit shall be available to the public unless the Control Officer has notified the Permittee in writing and unless a person:

- a. Precisely identifies the information in the permit(s), records, or reports which is considered confidential.
- b. Provides sufficient supporting information to allow the Control Officer to evaluate whether such information satisfies the requirements related to trade secrets.

A claim of confidentiality shall not excuse a person from providing any and all information required or requested by the Control Officer and shall not be a defense for failure to provide such information.

[Rule 100, §200.107, §402 and Rule 200, §411]

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3. **Controls:**

Except as provided by the applicable Rules or these Permit Conditions, the Permittee shall not operate any equipment or process unless air pollution controls, required by either this Permit or the Rules, are in place, are operating without bypass, and are operating within their key system operating parameters, as identified in the approved Operation and Maintenance Plans, and in accordance with any other conditions specified in this Permit.

This requirement to operate any required air pollution control equipment may be conditionally waived due to malfunction in an emergency situation provided that the Permittee fulfills the notification requirements in accordance with Rule 100, §501, and Rules 130 and 140.

[Rule 100, §501, Rules 130 and 140]

The Permittee shall notify the Control Officer, in accordance with Rule 220, before making any additions, modifications or replacements to any required air pollution control equipment. This notification requirement does not apply to normal maintenance and repair activities.

[Rule 220, §404 and §405]

4. **Duty to Supplement or Correct Application:**

The Permittee who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. In addition, an applicant shall provide additional information as necessary to address any requirements that become applicable to the source after the date it filed a complete application but prior to release of a proposed permit.

[Rule 220, §301.5]

5. **Duty to Comply:**

The Permittee shall comply with all conditions of this Permit including all applicable requirements of Federal laws, Arizona laws, and Maricopa County Air Pollution Control Rules and Regulations.

[Rule 200, §308]

It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with these Permit Conditions.

[Rule 220, §302.10]

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6. **Fees:**

The Permittee shall pay, in a timely manner, an annual fee for this Permit as determined by the Control Officer in accordance with Rule 280.

[Rule 280, §302]

7. **Fugitive Dust:**

The Permittee shall take all reasonable precautions to minimize the emissions of fugitive dust in accordance with §300 of Rule 310.

[Rule 310, §300]

8. **Leased/Rented/Borrowed Equipment:**

The permit for a portable source requiring a permit per Rule 200, shall be provided by the owner to the renter or lessee, and the renter or lessee shall be bound by the permit provisions. In the event a copy of the permit is not provided to the renter or lessee, both the owner and the renter or lessee shall be responsible for the operation of the portable source in compliance with the permit conditions and any violations thereof.

[Rule 200, §410]

9. **Malfunctions (Emergency Upsets) and Excess Emissions:**

Emergencies, malfunctions, and other excess emissions shall be reported as required by Rule 100, Section 500.

[Rule 100, §400 and §500; Rule 130, §400; Rule 140, §400 and §500]

10. **Material Containment:**

Materials including, but not limited to, solvents or other volatile compounds, paints, acids, alkalis, pesticides, fertilizer and manure shall be processed, stored, used and transported in such a manner and by such means that they will not unreasonably evaporate, leak, escape or be otherwise discharged into the ambient air so as to cause or contribute to air pollution.

[Rule 320, §302]

11. **Modifications:**

The Permittee shall notify the Control Officer, in accordance with Rule 220, of changes, replacements or additions to the source which are not covered by this Permit.

[Rule 200, §312.3 and Rule 220, §400]

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12. Odors:

The Permittee shall not emit gaseous or odorous air contaminants from equipment, operations or premises under his control in such quantities or concentrations as to cause air pollution.

[Rule 320, §300]

13. Permit Term, Permit Transfer, and Permit Renewal:

a. This Permit shall remain in effect for no more than 5 years.

[Rule 220, §402]

b. Except as provided in Rule 200, this Permit may be transferred to another person if the person who holds the permit gives notice to the Control Officer in writing at least 30 days before the proposed transfer and complies with the permit transfer requirements of Rule 200 and the administrative permit amendment procedures pursuant to Rule 220.

[Rule 200, §404 and Rule 220, §405.1]

The Permittee shall file an application for a permit renewal at least six months, but not more than 18 months, before the expiration date of this Permit.

[Rule 220, §301.3a]

14. Record Keeping:

The Permittee shall maintain accurate records as required by these Permit Conditions and by Section 500 of all applicable Rules. These records shall be kept in a form, which allows easy verification of compliance with these Permit Conditions and any applicable Rules.

All records shall be kept for the time as specified. All records required to demonstrate that each required air pollution control device is being operated properly shall be retained for five years.

All records and/or copies of records required by this Permit should be made available for inspection upon request by a representative of the Control Officer.

[Rule 100, §504; Rule 220, §302.7; and §500 of All Applicable Rules]

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15. Reopening For Cause:

This Permit shall be reopened or revised prior to expiration under any of the following conditions:

- a. Either the Control Officer or the Administrator of the United States Environmental Protection Agency (Administrator) determines that this Permit contains a material mistake or that inaccurate statements were made in establishing the emission standards or other terms or conditions of this Permit Revision, or
- b. Either the Control Officer or Administrator determines that this Permit must be revised or revoked to assure compliance with the applicable requirements.
[Rule 200, §402]

16. Reporting:

If notified, the Permittee shall submit an annual emissions inventory report to the Control Officer. The report shall summarize the activities and air pollution emissions from the facility during the previous calendar year in accordance with §505 of Rule 100. The report shall be filed on a form supplied by the Control Officer and shall be due by April 30 or 90 days after the Control Officer makes the forms available, whichever is later.

The Permittee shall furnish to the Control Officer, within a reasonable time, any information that the Control Officer may request in writing to determine whether cause exists for revising or revoking and reissuing this Permit or to determine compliance with this Permit.

Upon request, the Permittee shall furnish to the Control Officer copies of records required to be kept by this Permit.

The Permittee shall file any additional reports required by the Control Officer in a complete and timely manner.

[Rule 100, §501 and §505; Rule 220, §302.8 and §302.13]

17. Right to Entry:

The authorized representative of the Control Officer, upon presentation of credentials, shall be permitted:

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- a. To enter upon the premises where the source is located or emission-related activity is conducted, or where records are required to be kept under the conditions of this Permit and,
- b. To have access to and copy, at reasonable times, any records that are required to be kept under the conditions of this Permit, and
- c. To inspect, at reasonable times, any source(s), equipment (including monitoring and air pollution control equipment), practices or operations regulated or required under the Permit, and
- d. To sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the Permit or other applicable requirements, and
- e. To record any inspection by use of written, electronic, magnetic, and photographic media.

No claim of confidentiality for trade secrets or commercial information available to the Permittee under Arizona Revised Statutes (ARS) 49-487 or Rule 200 §400 can limit the scope of or otherwise interfere with an on-site inspection by a representative of the Control Officer. However, a claim of confidentiality may be made on any information gathered during the inspection to the extent identified in ARS 49-487 or Rule 200 §400.

[Rule 100, §200.107 and §402; Rule 200, §411; Rule 220, §302.17-21]

18. Rights and Privileges:

This Permit does not convey any property rights nor exclusive privileges of any sort.

[Rule 220, §302.12]

19. Severability:

The provisions of this Permit are severable, and, if any provision of this Permit is held invalid, the remainder of this Permit shall not be affected thereby.

[Rule 220, §302.9]

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20. Start-up Notification:

If a performance test is required, the Permittee shall give written notification to the Department, Attention Source Test Compliance Section Manager, at least 7 days but no more than 30 days before the initial start-up of any new pollution abatement equipment or process that requires a test. Start-up of the subject equipment or process, shall be defined as the earliest occurrence of one of the following dates:

- a. The date that achieved maximum (or permitted) capacity occurs; or
- b. The date that a marketable product has been produced; or
- c. The date that achieved sustained product manufacturing occurs; or
- d. The date that the production line(s) or processes, exhausted to the air pollution abatement equipment that require the test, have been qualified to produce product that meets customer requirements.

This startup notification does not apply to processes or equipment recognized by the Control Officer as being trivial or insignificant activities.
[Rule 270, §400]

SPECIFIC CONDITIONS:

Crematory Operations

21. Allowable Emissions:

The Permittee shall not allow or permit particulate emissions into the atmosphere from any crematory which exceed 0.08 grain per cubic foot of dry flue gas at standard conditions adjusted to seven (7) percent oxygen (O₂) in the exhaust gases and calculated as if no auxiliary fuel had been used.
[Rule 313, §303]

The Permittee shall not allow the emissions into the atmosphere from any crematory for an aggregate of more than thirty (30) seconds in any sixty (60) minutes, any air contaminant which is a shade or density darker than 20 percent opacity as measured by EPA method 9.
[Rule 313, §302]

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The Permittee shall not allow emissions into the atmosphere from the crematory to exceed the following limits:

| | Daily Emission Limits | Monthly Emission Limits | Twelve Month Rolling Total Emission Limits |
|--|--------------------------|----------------------------|--|
| NITROGEN DIOXIDE (NO ₂) | 6.00 POUNDS | N/A | 1,300.00 POUNDS |
| PARTICULATE MATTER < 10 MICRON DIAM. (PM-10) | 2.00 POUNDS | N/A | 300.00 POUNDS |
| SULFUR OXIDE (SOX) | 1.00 POUND | N/A | 200.00 POUNDS |
| CARBON MONOXIDE (CO) | 1.00 POUND | N/A | 100.00 POUNDS |

[Rule 220, §302.2]

22. Controls:

- a. Crematories shall consist of an incinerator with at least two chambers. The secondary compartment or afterburner of each crematory shall be lit at all times during cremation operation and until burn down is complete. The secondary compartment or afterburner shall operate at a minimum temperature of at least 1600°F with a residence time of at least 1 second during the period of combustion.

[Rule 313, §301.3]

- b. The burner in the primary chamber shall not be ignited until the secondary chamber combustion zone temperature is equal to or greater than 1000°F.

[Rule 313, §301.3]

- c. Accurate temperature indicators to monitor the primary chamber and afterburner chamber temperatures must be installed on the crematory and maintained in good working order.

[Rule 313, §305]

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23. Operations and Maintenance:

The crematory shall be installed, operated and maintained by properly trained personnel.

[Rule 313, §305]

24. Prohibitions:

The Permittee shall not conduct any burning in the crematory between sunset and the following sunrise.

The Permittee shall limit the amount of chlorinated plastics incinerated for each crematory to a maximum of ten (10) pounds per month.

25. Testing:

a. The Permittee shall conduct a performance test within 60 days of the issuance of this permit for each crematory to demonstrate compliance of both the particulate emissions and visible emissions standards per Rule 313, §302 and §303.

[Rule 270, §401]

b. The test methods outlined in Rule 313, §502.1 and §502.2 shall be utilized. The time frame for the test may be extended by the Control Officer for good cause, but in no case shall the testing period extend for more than 180 days after the issuance of this permit.

[Rule 270, §401 and §402; Rule 313 §502.1 and §502.2]

c. If the crematory does not pass the initial performance test, the Permittee shall not operate that unit, except for testing purposes, until a subsequent performance test on that unit has been conducted which demonstrates compliance. Any subsequent testing shall be performed within a time frame approved by the Department.

[Rule 313 §302 and §303]

d. The Permittee shall submit a test protocol to the Department's Source Test Compliance Section for review and approval at least 30 days prior to the performance test.

[Rule 270, §403]

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- e. The Permittee shall notify the Department's Source Test Compliance Section in writing at least two weeks in advance of the actual time and date of the performance test so that the Department may have a representative attend.
[Rule 270, §404]
- f. The Permittee shall complete and submit a report to the Department's Source Test Compliance Section within 30 days after completion of the performance test. The report shall summarize the results of the testing in sufficient detail to allow a compliance determination to be made.
[Rule 270, §401]

26. **Record Keeping:**

The Permittee shall maintain daily records of the following:

- a. The weight of the animal charged or the number and type of remains charged.
- b. Secondary chamber temperature at the time of ignition of the primary chamber.
- c. Secondary chamber operating temperature.
- d. Dates and times of day the crematory is operating.

[Rule 313, §501.3]

Emergency Generators

27. **Allowable Emissions:**

The Permittee shall not allow emissions into the atmosphere in excess of any of the following:

| Daily Emission Limits | Monthly Emission Limits | Twelve Month Rolling Total Emission Limits |
|--------------------------|----------------------------|--|
| | | |

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| | | | |
|--|-----|-----|------------------|
| CARBON MONOXIDE (CO) | N/A | N/A | 7,100.00 POUNDS |
| VOLATILE ORGANIC COMPOUNDS (VOC) | N/A | N/A | 2,700.00 POUNDS |
| NITROGEN OXIDE (NOX) | N/A | N/A | 32,600.00 POUNDS |
| SULFUR OXIDE (SOX) | N/A | N/A | 2,200.00 POUNDS |
| TOTAL SUSPENDED PARTICULATES (TSP) | N/A | N/A | 2,400.00 POUNDS |
| PARTICULATE MATTER < 10 MICRON DIAM. (PM-10) | N/A | N/A | 2,400.00 POUNDS |

[Rule 220, §302.2]

28. Opacity:

The Permittee shall not discharge into the ambient air from any single source of emissions any air contaminant, other than uncombined water, in excess of 20% opacity.

[Rule 324 §303; Rule 300 §301]

29. Operational Limitations:

- a. The Permittee shall limit the operation of each emergency generator to no more than 500 hours per any twelve consecutive months. The daily trigger of Best Available Control Technology (BACT) has been exempted for the emergency generator(s).
[Rule 220 §302.2]
- b. The emergency generator(s) shall not be used for peak shaving. The emergency generator(s) shall only be used for the following purposes:
 1. For power when normal power service fails from the serving utility or if onsite electrical transmission or onsite power generation equipment fails;

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2. Emergency pumping of water resulting from a flood, fire, lightning strikes, police action or for any other essential public services which affect the public health and safety;
3. Lighting airport runways;
4. Sewage overflow mitigation and/or prevention;
5. Reliability-related activities such as engine readiness, calibration, or maintenance or to prevent the occurrence of an unsafe condition during electrical system maintenance;
6. As the prime engine when the prime engine has failed, but only for such time as is needed to repair the prime engine; or
7. To operate standby emergency water pumps for fire control that activate when sensors detect low water pressure.

[Rule 324 §104; Rule 220 §302.2]

- c. The Permittee may not use any fuel that contains more than 0.05% sulfur by weight, alone or in combination with other fuels, with the following exception: Existing supplies in storage as of October 22, 2003 of any fuel containing greater than 0.05% of sulfur by weight may be used by the Permittee until April 22, 2005. Use of fuel containing more than 0.05% sulfur by weight shall be reported to the Control Officer along with the dates of such usage and supporting documents.

[Rule 324 §301.1]

30. **Other:**

The Permittee shall not operate the emergency generator(s) unless its cumulative run time meter is installed and working properly.

[Rule 220 §302.4]

31. **Record Keeping:**

The Permittee shall maintain the following records for a period of at least five years from the date of the records and make them available to the Control Officer upon request:

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- a. An initial one time entry listing the particular engine combustion type (compression or spark-ignition or rich or lean burn); manufacturer; model designation, rated brake horsepower, serial number and where the engine is located on the site.
[Rule 324 §502.1; Rule 220 §302.7]

- b. An annual engine record that includes hours of operation and an explanation for use.
[Rule 324 §502.4; Rule 220 §302.7]

32. Emergency Provisions:

The Permittee shall comply with all record keeping and reporting requirements of Rule 130 (Emergency Provisions) and Rule 140 (Excess Emissions) if the annual allowable hours of operation are exceeded.

[Rule 130; Rule 140]

Equipment List

HICKMANS EGG RANCH

Date Issued: 02/02/05

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| Equipment Description | Rated Capacity | Quantity Exist/Future |
|---|----------------|--------------------------|
| 1. CREMATORY - SHENANDOAH A27 LP, PROPANE OR NATURAL GAS | 90.00 LB(S)/HR | 1 / |
| 2. EMERGENCY GENERATOR - DIESEL, ONAN, INSTALLED 10/01 | 300.00 HP | 7 / |